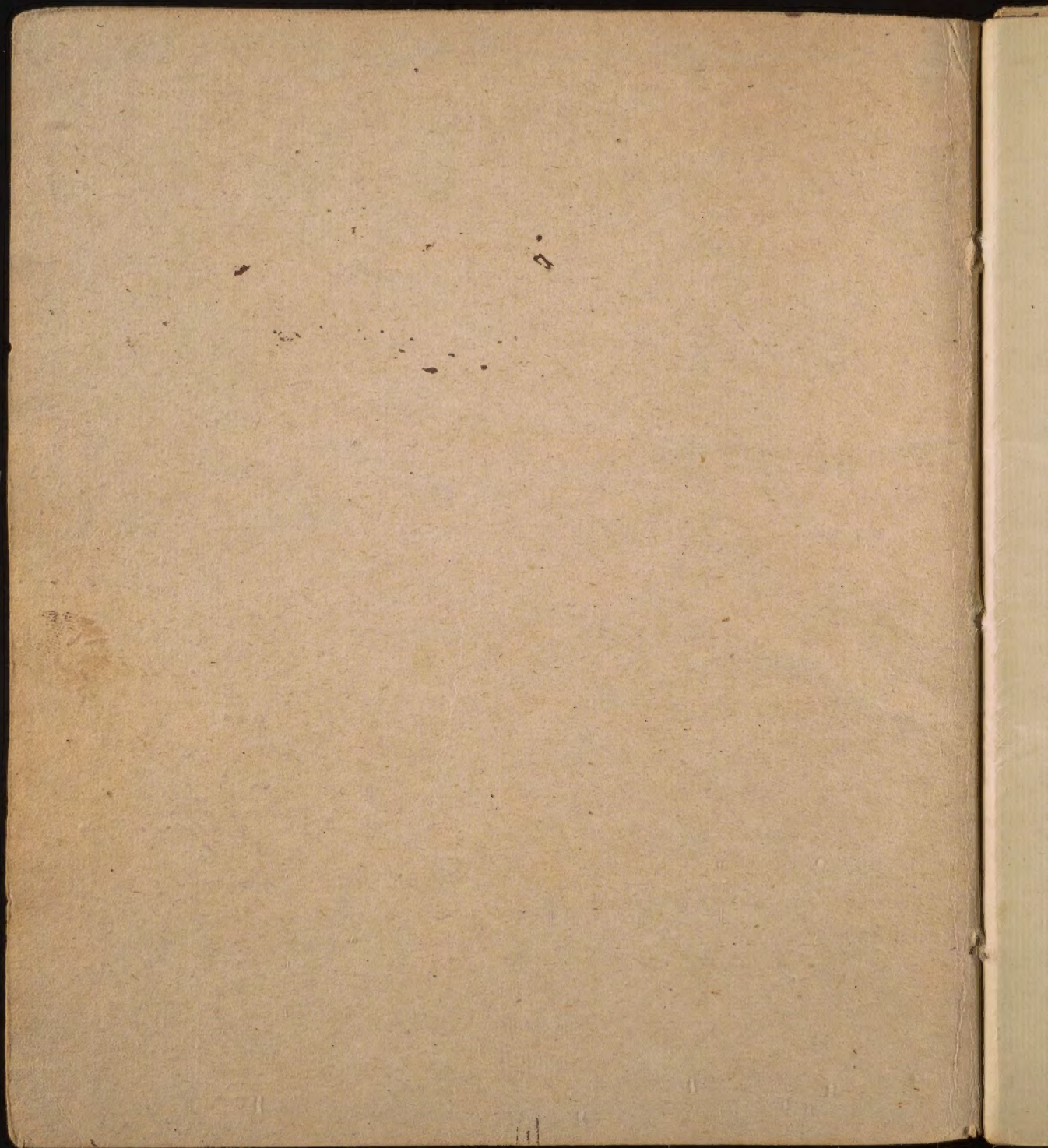


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18.



Nutrition continued from
p. 710

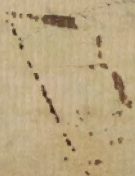
Female Constitution	714
Female mind —	717
Catamenia —	725
Male Constitution	742
Veneral appetite	754

Is not the nerves

That the Arteries prepare & convey
Nourishment to the body, I infer
1 From the great disproportion
between the brains of different Animals
& their bodies. E.g: an Ox is six
times as large as a man, and
yet his brain is only $\frac{1}{4}$ of the size
of that of a man's. now if nourishment
was carried on by the nerves, ~~the brain~~
where the nourishing matter is supposed
to be secreted, the size of the brain in all
Animals would bear an exact ratio to
the size of their bodies.

2 Democritus tells that in monsters in
whom the brain was very small, or

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]



wholly wanting, - there appears to be no deficiency of life - or plumpness in their limbs.

3 Those parts of the body in which the nerves are so small as hardly to be traced, grow as fast, and are as well nourished, as those ⁱⁿ ~~on~~ which the nerves are large & numerous.

4 Dr Monro after cutting across the sciatic nerve of a frog, did not find the limb a year afterwards in the least diminished in its size. ^{wounds} ~~wounds~~ inflicted ^{upon} ~~on~~ this limb, & even fractures on its bones, healed & united as readily as in other cases. [Do] not the arteries here perform the office of the Nerves Vicariously? Why not if bones so obdurate

V not create the matter which nourishes
the body. 2 But while I thus reject the opinion of
the vulgar, prepossession the matter of nourishment for the body,
their ~~ingenuity~~ ^{ingenuity} is certainly necessary to enable arteries to per-
form it. In what manner I know not. Begin in ^{the} various
substances which compose the food of man.

To have some physiologists add - Calcareous matter and all of them are of so heterogeneous a nature as to undergo a decomposition by the numerous animal processes they undergo in the body. They are all said to be composed of Carbon - Hydrogen & Oxygen with a small quantity of Azote. These are changed by the assimilating process ^{as they descend into the lungs} ~~they pass~~ into Azote, ~~that~~ which constitutes a material part of Animal matters. Dr Fullen has supposed Sugar to be ^{the} afford more than any other ^{all} elements. now it is remarkable sugar yields by Chemical Analysis the Carbon - Hydrogen & Oxygen which are said to furnish the matters of nourishment, go to p. 713⁺ The foll^e is the order of animal excrements glutin. - Albumen - mucus - fibrin. - solid matter.

5 The bones are tinged by madder, ~~the~~
in young animals in such a manner
as to become part of the bone, now
it is not possible for this coloring
matter to be conveyed by the nerves.
~~6 peroxide of iron by the nerves.~~

6 The kinds of matter are so various which are necessary for the body, that it is ~~is~~ more probable that ~~it~~ they are supplied by the heterogeneous fluid, called blood - than by ~~any matter~~ any

fluid. ~~It~~ ^{Derives} it from a fact I have heard
the blind in India. As a penance
real or supposed they hold up

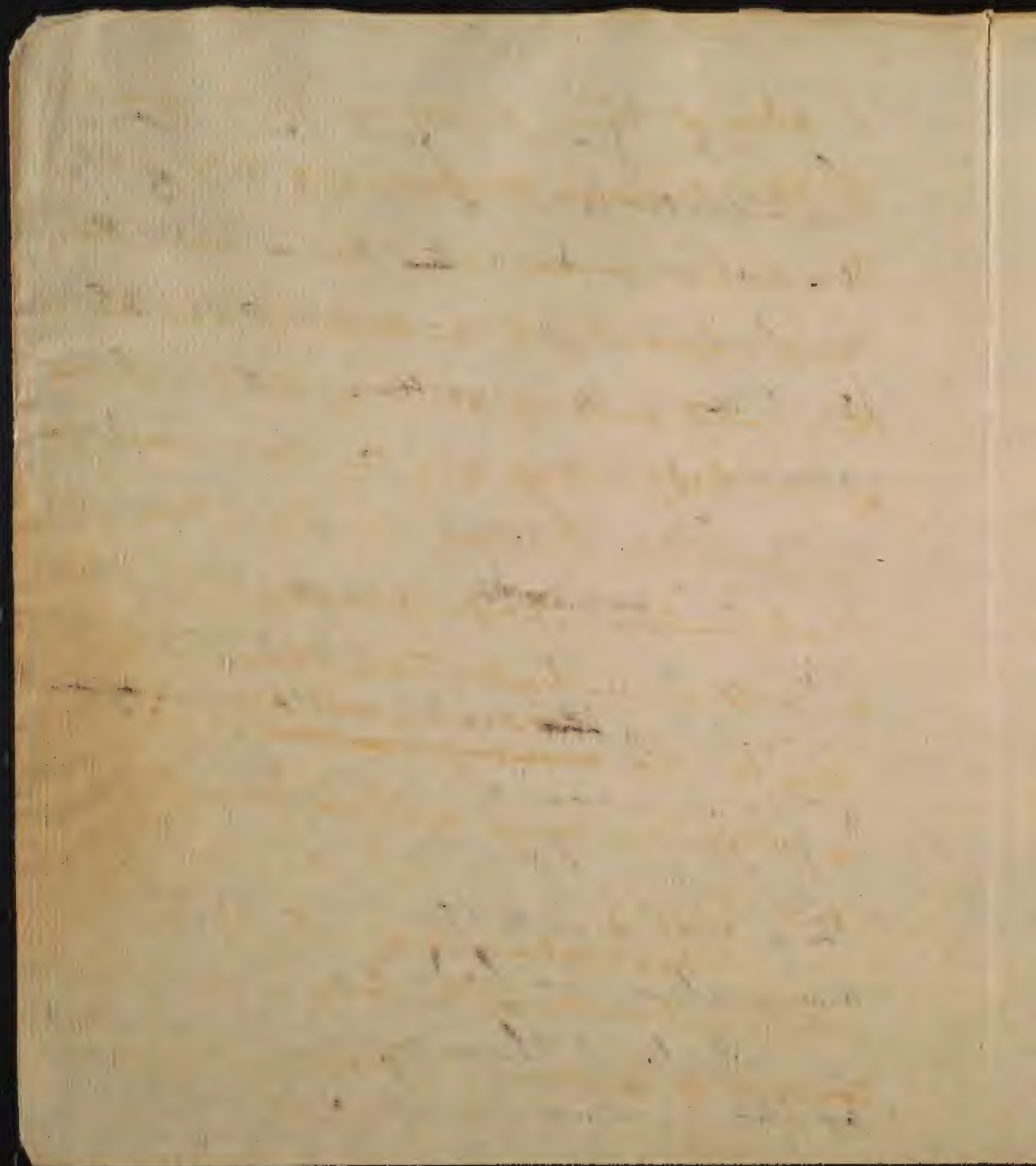
~~If criticism of all the fruits of the
even the finest of them
bridge is carried on by Antares -~~

~~why should we use the finest of them~~
~~why should we doubt that they do~~

~~we~~ should, we doubt that they do

V
 7. I infer ^{it} from a fact lately com-
 -municated to me of the practice of the
 Hindoos in India. ~~One~~ One of their pu-
 -rifications for crimes is to oblige
 the culprit to keep ~~the~~ one of the arms
 extended for several months. The arm
 is thus kept become emaciated, probably
 from the ~~depletion~~ ^{loss} of quantity of blood
 that is sent to it in consequence of
 its resisting ~~the~~ ^{its} natural course. ~~of the~~
 & the secretion of all the fluids in the
 body is carried on by arteries. Why?
 They not secrete the matter which
 nourishes the body?

While I thus reject the nerves
 as the instruments of nutrition,



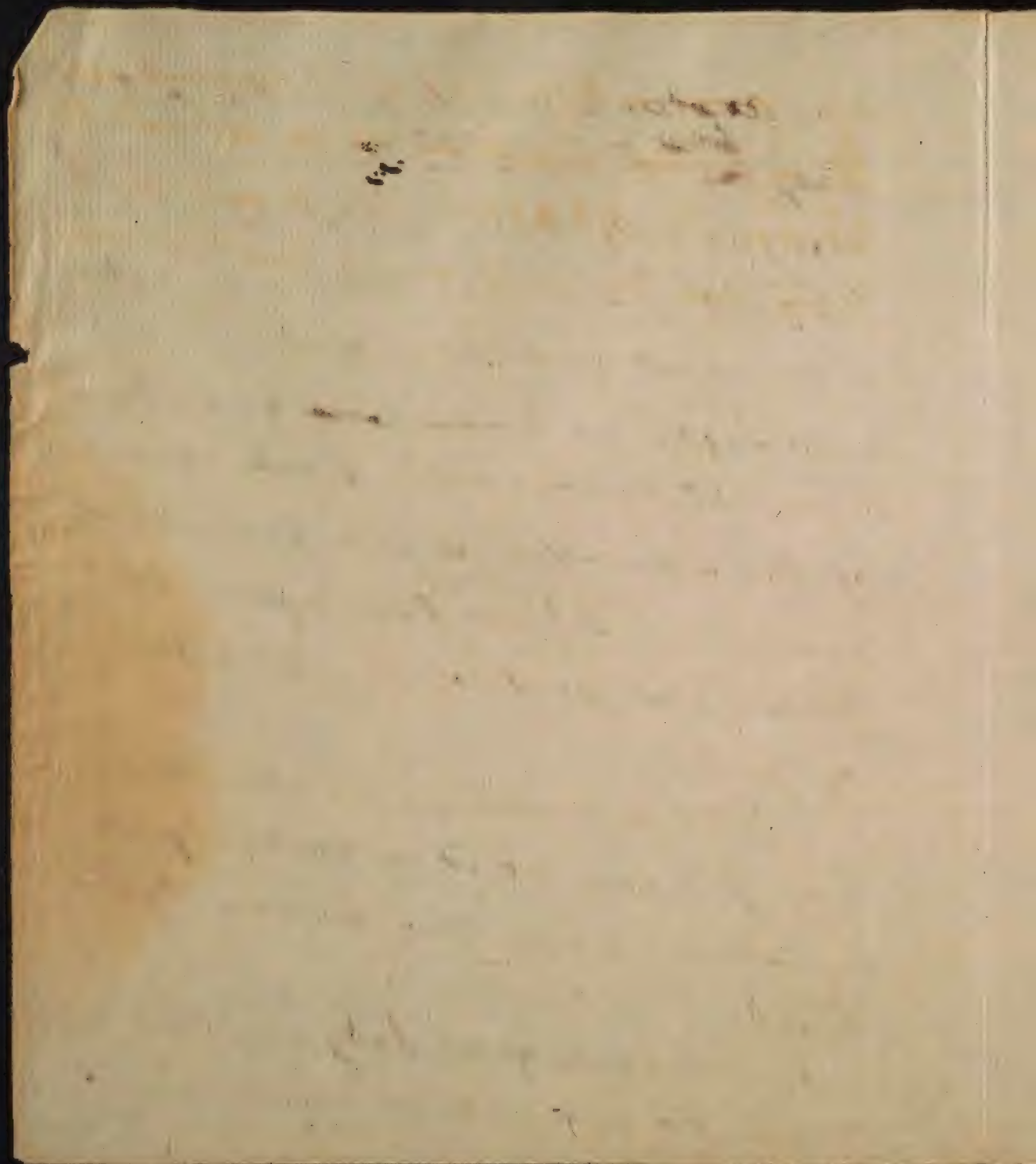
I admit their presence to be essential
to the Arteries performing that office.
In what manner I know not. How-
ever important the Arteries appear in
this, and among other of the functions
of the body, they are by no means an
independent System. In Digestion. in
Assimilation - Longevity and Secretion
as well as in Nutrition they are tribu-
-tary to the ^{nerves,} ~~arteries~~ and are
unable
to perform any of those processes with-
-out them.

The Substances of which the nour-
-ishing matter of the body is composed,
consist of Carbon. Hydrogen - Oxygen

and ~~as~~ a small quantity of Azote.
 The 3 ~~former~~ ^{former} are
~~changed~~ ^{changed} by the assimilating
 process into Azote which constitutes
 the ^{principal} part of animal matter. Sugar
 is the most nutritious of all elements.
 Now Sugar we know ~~that~~ yields by a
 chemical analysis the greatest quantity
 of those matters which form Azote
 and which I have ^{said} constitutes the
 principal part of the solids & fluids
 of the body. —

The nourishing matter of the
 body I have said is probably a
 secretion from the fibrin of the
 blood.

All the parts of the body are said to be
 renovated every seven years, but



The period is different in different ages.
It is most rapid in ~~the~~ childhood &
slowest in old age. The nails and
hair are renewed every two months.

Received of the Treasurer of the
County of [illegible] the sum of [illegible]
for [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]

V they have been so much ^{neglected} ~~overlooked~~
in all our systems of ^{physic.} ~~medicine~~. Dr
Boerhaave overlooked them in his
placing the proximate cause of all
Diseases in the blood. Dr ^{Dr Brown} ~~Fuller~~ have
lost sight of them in the extensive
view they have taken of the nervous
System. It turns us to ~~the~~ ^{the} ~~labor~~ ^{why for disease in} ~~of the body~~ ^{of my life}
~~of the body~~ ^{of the body} - especially in the
should be attended with any advantage
~~to blood vessels~~. — born over to
to medicine, it will be in consequence
of my having devoted myself ^{chiefly} to ~~the~~
~~discovery~~ ^{an} examination of the laws
& phenomena of the sanguiferous
System, while I hope I have ^{not} ~~neglected~~
~~been~~ overlooked the Discoveries of Dr Boerhaave
Dr Fuller & Dr Brown upon the respective bases
of their Systems of medicine. [The matter

~~not sure to the matter which con-~~
~~cerns the body?~~ —

[I hinted formerly at the Lymph
 being prepared for this purpose in the
 cavity of the body. — Perhaps this
 may be the case — but it is not
 necessary to admit it in order to be-
 lieve that the nourishment of the
 body is carried on wholly by the Arte-
 ries.] —

+ The view I have given of the
 nourishment of the body, you see
 is calculated to extend our ideas of
 the importance of the blood vessels
 in the Animal Economy. It has
 been the misfortune of medicine that

which afford the principal part of the nourishment
of the body, viz: aliment, have been fully treated on.
- To those some writers add calcareous matter & of the
matter of light. I have taken notice of the use of
fat as a nourishing matter in case of sickness. +

✓ In doing this, I shall first describe the
particularities of ~~the~~ ^{the} female body &
afterwards of the female mind. The
Particularities of the body, are general
& local. I shall begin with those w.
are general.

+ All the parts of the body are said to be
renovated once in 7 years, but the period, is diff^t
in different ages. It is, more rapid in ^{early} ~~infancy~~
life, & slowest in old age. I said formerly ^{it is} ~~the~~
combined on ^{by some writers} ~~different~~ ^{of generation} ~~matter~~ have been said to con-

= the late the paluitum of nourishing matters.
such as mucus. Sugar - and the hydrocarbonates
oxyd. Some experiments must determine ~~the~~ ^{its}
nature, & mode of application, + the hair in
perils in 2 months
+ It is supposed ~~the~~ ^{the} hair is renewed
in 60 days.

五

—

the

✓ I come now to mention the local peculiarities of
the female body.

1st The Pelvis in women is wider than

in men - hence they are able to retain

their Urine longer than men. ^{It is said to be of the same size in women of all sizes.} The trochanters
are wider apart than in men - hence they are unable
to wear the small clothing of men in all other aspects of the same
direction themselves.

2nd Within this Pelvis is contained a hollow

viscus called the Uterus ~~providing~~ ^{provided with} a
curious appendage of vessels which are
accommodated to the ~~perfect~~ formation & ^{growth}
of a foetus. —

3rd The external Organs of Generation
are different from those of men.

4th There is within a certain number of
years a discharge of blood every month
thru the Uterus & Vagina. —

5th They are provided with ^a ~~two~~ large
glands on each breast which secrete
milk for the nourishment of a child as
soon as it comes into the world. —

more sensible of than the nerves
of men, and more susceptible of
impressions of mind & body - -

10 The brains of women are more
subject to motion of every kind than
the brains of men. ^{Since they are more}
^{subject to various diseases than men.} ~~11. Women~~
~~possess less than men.~~ ^{11. Women}
~~possess less than men.~~ ^{11. Women}
Thus far we have traced
the peculiarities of the female body, but
as every system of Physiology ~~and~~ and
pathology includes the mind as well
as the body, the detail I am giving
will be imperfect without a corres-
ponding history of the female mind.
I know that the difference between
the ~~male~~ male & female mind has

6 The Thorax moves more ^{& the Abdomen less} in expiration
in women than men - This is obvious in
female children of a year old. The design
of it is to favour the enlargement of the
uterus in gestation. -

7 The Voice in females is more soft
& shrill than in males. - ~~from~~

8 They are more long lived than men - that is - more
women live to be old than men - ^{inferiority of the natural}
^{softness requiring more time to become solid & then to decay.}

✓ It is of consequence for a physician
to know wherein it consists in order to
accommodate not only his prescriptions
to their mental diseases, but to conform
his manners and conduct to their taste -
for they are the ^{principal} avenues to business &
reputation in the profession of medicine.
~~It is of consequence for a physician~~

been ascribed wholly to education, but
I cannot subscribe to this opinion. ~~There~~
There is a natural & original difference
between the mind of a woman
& of a man as certainly as there
is between their bodies. This difference
between the male & female mind
"consists".

1 In the Understanding. It is less
vigorous and less comprehensive in the
female than in the male sex. ~~Dr. Johnson~~
~~Dr. Johnson~~, & Bacon, and a paper has never appeared ~~any~~
2 The same may be said of their imagination.

~~For Homer perhaps they~~
~~have a Homer, a Sophocles & a Milton~~
~~and the same~~
has never appeared among them.

3 In memory, they excel men in
the retention of words & events, but

✓ of their memories in retaining
events, & women have sometimes
been called Almanacs. The events
they treasure up in their memories
with the most care are, such as are
^{associated} ~~connected~~ with ^{pains} ~~difficulties~~, particular-
ly with childbearing. Their capacity
for retaining the remembrance of
words has been ^{taken} ~~noticed~~ notice of by
lawyers, who consider the ^{testimony} ~~evidence~~
of women in Courts as far as it
relates to words, as more correct
than that of men. — The predominance
of memory in the female sex is further
illustrated by the practice of the Indians
who commit all their traditions to their
women. —

they are inferior to them in the retention of ideas. From ~~the~~ ^{the} uncommonness of ~~connections~~ ^{connections} & strength
 4 They are superior to men in ~~the~~ ^{the} ~~facility~~ ^{facility} of taste - hence they are better judges of than men, of propriety in dress and behaviour - and hence the manners of young gentlemen are so easily, and so universally polished by keeping their company. - It is from the ~~superiority~~ ^{superiority} of their taste ~~that~~ ^{that} they are more disposed to imitation than men.
 5 Their moral ~~and~~ ^{and} faculties are more acute and are more sensible than men. - Destined to live more alone than men, and precluded by custom or perhaps nature from ^{making} a choice in ~~the~~ ^{the} ~~article~~ ^{article} of matrimony, they are

One of the daughters of Dr Cullen informed me that
her mother ~~the wife of Dr Cullen~~ could tell the events
& acts of every day of her life for many
years. —

in our country
Indian women discover hostile designs to traders,
& prisoners, but no instance has ever occurred of
this being done by a man.

It ^{has been} ~~was~~ remarked as a proof of the greater
kindness of women, than men that
our favour was never once insulted by
a woman during his residence ⁱⁿ ~~of~~ ~~the~~
our world; — On the contrary he
was uniformly treated by them with
respect and kindness. Baron Humboldt
informed me that he saw a tribe of Indians in
America who killed all their sickly & deformed ^{children}.
But this was always done by men never by ^{the} women.
Ledyard - Woodward & Pashe all ^{being} ~~women~~ ⁱⁿ
pay homage to the humanity of women even
among savage nations. # well therefore did

fitted for their solitary situation by
a more exquisite sense of Duty - hence
women in all ages have been more
devout than men.

^{as far as it relates to certain objects}
The moral faculty is moreover more
active in women than in men, but
it is more ~~sub~~ circumscribed in its
operations. - women ~~is of a~~ perhaps
^{kindness, more} ^{more} more humanity & Charity than men,
but less ~~active~~ benevolence. They are
kind ~~to~~ relations & neighbours, but
how seldom do we meet with a female
citizen of the World? - V

~~The~~ Conscience ⁱⁿ women ~~is~~ ^{is} perhaps
less ⁱⁿ sensible than ~~men~~ ^{men} only because

an elegant french writer say of the whole sex. "they ~~are~~ afford the most pleasure to in middle life, and they are the ~~best~~ principal Supports of its two ex-
-tremities, viz infancy and old age."

✓ They are more inclined to Despair in
 sickness and danger than men. Sir Wm.
 Hamilton has furnished a striking proof
 of the correctness of this fact in his description
 of the effects of an earthquake at Calabria
 that ~~1500 people~~ ^{1500 people} ~~were~~ ^{alive in} the earth.
 The women were found with their Arms
 folded, as if resigned at once to their fate - the
 men were found with their arms extended
 as if they had struggled to the last, to save
 their lives. ~~their~~ Brothers despair sooner of
 their children ^{than fathers} ~~or~~ ^{wives} ~~than~~ ^{their} husbands in
 sickness ~~than~~ ^{than} ~~their~~ ^{husbands} ~~or~~ ^{of} ~~their~~ ^{lives}
 - of great consequence to know this. ^{Mr Bird}
^{improvised de.}

X. The greater quickness of their Conceptions is evident & in the greater facility with which they understand signs instead of Language. Mr. Linn says in his northern Rammer the women of Denmark understood him by 1/3^d of the signs less than the men of that country.

V They are more communicative of their Secrets than men - but it is the Secrets of Other people - not their own. Men on the contrary divulge their own secrets; - but ^{most} faithfully keep the Secrets of Other people.

They are ~~more disposed~~ ^{less disposed} to forgive injuries than men. This is the effect of weakness ^{are} only - for strong and great minds ~~are~~ ^{are} elevated above revenge. "Women and men like Women

~~are~~ ^(says Juvenal) are timid, vindictive & insolent". They are less subject to the influence of the Venereal appetite than men. They possess moreover, more delicacy and modesty than men. This

quicker perceptions, ~~than men~~, but
their judgements and reasoning powers
are less acute and extensive than those
of men. —

~~They have more fortitude, but less~~

Courage than men. The former is a

passive — the latter an active quality

of the mind. Perhaps the reason why the want of
courage is so common among them may be it attaches
no dishonor to their characters, as it does to those
of men. — they incline more to society than

men — hence we find they are most

prone to intimacies ^{with} society. ^{This love of society}
disposes them to call ^{on} ^{for} ^{at} ^{any} ^{time} ^{when} ^{they}
visit places, which men always visit alone. —
It has been doubted whether this superior

delicacy & modesty ~~they possess~~

~~may~~ be owing to nature or education.

I believe it to be owing to nature, for
I have seen it in so early a period in

① ~~the poet~~ Ariosto who is not more remarkable for the extravagant heblimity of his poetry, than for the correctness of his philosophy of the human mind. ~~go~~ bears a striking testimony to the quickness of this ^{viz. perception} operations of the ~~female~~ ^{of women} minds in the following lines in his Orlando furioso.

- " Amidst the Various Gifts by Heaven assigned,
- " With special grace ~~to~~ ^{to} enrich the female mind.
- " Be this thine prize; where most the sex aspires,
- " To counsel well, when hidden need inquires,
- " But seldom man, ~~the~~ mature Advice ^{replies,}
- " When time, the means of long debate denies.

Book 27.

~~This~~ I took notice formerly, that

perception was weakened by ^{the} constant ex-
-ercises of judgment & reasoning. Perhaps
this may be the reason why the women
exalt the men in quickness of per-
-ception, from their doubts in life re-
-solving up of the above abstract exercises
of the mind. For the same reason, Child-
-ren and the Vulgar are better judges
of likenesses in painting than persons
who are in the habits of ^{comparing} judging, and
reasoning upon such objects. But certain
Dumb animals and even Children & the
Vulgar in quickness of perception. Birds
have pecked at painted grapes, & a dog
has jumped into a painted a floor cloth
upon which the sea was painted in order
to swim in it.

✓ The notion started by the ingenious and
eloquent female author of the rights of
women - that all the difference between
the talents & virtues of the two sexes is the
effect of education, is as hypothetical ~~as~~
~~about~~ as Illustrious's notion of all the
variety in human talents depending on
the same cause. There is an original
difference in the bodies & minds of men &
women, stamped upon both ~~into~~ in
the womb, by the hand of nature. This
difference shows itself in childhood in-
-dependant of precept & example eg:
who ever saw a boy amuse himself
with a doll? or a girl - ^{anticipate} ~~sitting~~ riding on
horseback - by straddling or riding a
stick? — ‡ It ~~is~~ ~~not~~ ~~that~~ has been

female Children, that I ~~am~~ am forced
 This instinct is aided in its operation
 by the want of chastity being attended with more dishonour
 in a woman than a man. I am aware of all the objections y:
 may be urged against the line which
 I have thus drawn between the male
 & female mind. — I grant that there
 have been many exceptions to it both
 in ancient & modern times. There have
 been exceptions too to the remarks upon
 the inferiority of their bodily strength.
 But these exceptions do not affect the
 truth of the general observations which I
 have delivered. We find as many female
 minds & bodies among men, as we do
 masculine minds & bodies among ^{women &} ~~men~~.
 +
 Let not the youthful Champions

When they become vicious
remarked that Women have sometimes ex-
ceeded men in the same vice - hence the
line of Dr Young "A Shameless Woman is the
Worst of men". The same except or ~~occurrence~~
^{now & then} place in the exercise of ~~the~~ some of ^{the many} ~~the~~
virtues. E.g. a woman has sometimes displayed
more courage in danger than a man. The

virtue in this case is convulsive or morbid,
~~not~~ ^{not} ~~the~~ ^{the} natural operation of the ^{female} ~~the~~
mind. ~~They often surpass men in the exercise~~
~~of the moral sense of~~ ^{Take notice - they exceed men occasionally}
occasionally in their moral qualities, but rarely
perhaps never
in the intellectual qualities of their minds.

a Homer - a Shakespeare - a Newton - a Burke
has never yet appeared among the female sex.

It is an error loci - for it does not belong
naturally to Women.

~~It is~~ ^{is} ~~the echo of Revelation~~
~~in thus placing the~~ ^{every where} ~~female sex supports~~
the ^{opinion} ~~which~~ ^{which} nature thro

for female exultancy, suppose that the
 opinions which I have delivered are the
 effects of a ~~dear~~ ^{dear} in my respect for
 the female sex brought on by the hand
 of time. Far from it. But men ^{in the world} ~~above~~
 have more reason to admire and love
 at least ~~one~~ of the sex than I have, but
 I hold it to be essential to this ~~order~~
 that and to the ^{order of} happiness of domestic fri-
 endship, than there should exist exactly those
 degrees of ~~subordination~~ inferiority & Contrast
 between the two sexes which have been
 described. The many of the disorders not
 only of domestic, but of political society
 I believe originate in the inversion of
 this Order. In support of the assertion that

Attends the upon us, and in con-
-sequence ~~thereof~~ thereof inculcates
protection from the male to the
female sex, and Obedience from the
female sex to the male. ~~But these~~
Government is essential to families,
and we can only exist where there
is more or less ^{inequa-} ~~equality~~.
-ity. Perhaps I know but one place
in the Universe where perfect equality
exists ~~and that is in a graveyard~~
among mankind whether in their
political or domestic relations, and
that is in a graveyard.

12400
in the female sex ^{the} favourable ⁱⁿ
inferiority is most ^{apparent} to love, ~~and~~
~~one~~ - I will only ask - Do parents
love their children, who are their inferiors,
more than children love one another?
and can any degree or conception of
love equal that which the Supreme
Being has manifested to the human
race. -

~~The~~ every opinion on this subject
are not only consonant to reason, &
Observation - but to every part of divine
revelation. - Yours with

I shall make no apology for introduc-
ing them into a course of Physiology. ^a That
Physician should ^{never} prescribe for any disease,
~~creation only~~ who has not attended to
the structure - & peculiarities of the mind

✓ In warm climates at 12 - In cold at
 14 & 18, - but so much are they influenced
 by heat that in cold countries where
 women spend all their time in stone
 rooms, they appear at a much earlier
 period. — Dr Oslander a German physician
 has given us the following curious history of
 the ages in which the menses appeared in
 137 ^{women} ^{lying in hospital} ~~in a private hospital~~ at Gottingen.

at 12 years of age	3	at 18	18
at 13	8	at 19	10
at 14	21	at 20	8
at 15	32	at 21	1
at 16	24	at 22	1
at 17	11		
	99		38
			29
			137

in both Sexes. He cannot advance a step
^{upon principle}
~~in the treatment~~ just principles in treating
 the diseases of the mind, without that
 this necessary knowledge.]—

From the organization of the female
 constitution — results that ^{monthly} discharge from the
 uterus of females within a certain age
 which is
 called — Catamenia or menses.

I shall now proceed to make a few observations
 upon it. — This monthly discharge from the
 uterus.

1 It is confined to the female of the human
 species only — with an exception perhaps only
 of the female monkey, ~~See below~~.

2 It occurs at different ages in different
 climates, and in different classes of women.
 In the middle States ^{of America} it generally occurs
 about the ^{age of} 14. In women in high life

It is remarkable in all these cases
of early menstruation, they never return at
monthly periods, but often ^{after a few months} ~~is applied~~ until
the age of puberty. -
V Dr Haller

Q mentions several cases of its occur-
ring in the first - second - third - & in
every subsequent month of infancy. At
the time of the irruption of the menses
the breasts swell - the eyes ^{become} ~~are~~ more
brilliant - the voice more musical - and
the whole deportment of a woman ^{at this time} ~~very~~
undergoes an agreeable change. ~~At~~ ^{At this time} the
universal appetite is ^{more} ~~is~~ sensibly felt than
before.

+ Women who are hard drinkers
often menstruate till they are 60.

it occurs ~~on~~ sooner than in women who
labour - more especially - if this labor be
performed in the open air. — To this re-
mark of the period in which the menses make
their first appearance, — there are many exceptions
in books of medicine. I have known three girls
in this city
under 7 years of age to menstruate. Two
of them were in one family. ~~There was~~

3 The usual period in which the menses
cease is between the 45th & 50th years of life
in the middle states. To this there are many
exceptions. ~~There was~~ ^{these was} a woman ^{late} ~~late~~ living
in this city ^{a Mrs. Cox} who ^{was} ~~was~~ near 100 who menstruated
till she was 80 without the interruption
of a single month except when she was
with child or gave suck. ⁺ — There are
many cases upon record of women who
have had a return of their menses after

+ Eg Mrs Sinclair 1745 - aged 70
In the German Ephemerides there is
an acc^t of a woman who menstruated
still 90, after ceasing for 40 years. — Dr
Rehder mentions several similar
instances of the return of the menses
in very old women.

they have lasted for years in extreme
 old age. It is ascribed to the same disposition
 in the system to ~~renew~~ ^{renewate} itself which appears
 in the removal of the teeth - and in the recovery
 of seeing and hearing after they have been
 decayed or lost for years. - I have suspected
 from all these facts, that the Antidiluvian
 Age was protracted by changes in the system
 similar to those which go forward in trees,
~~but~~ but with this difference, that the body
 before the flood ^{renewed its decayed parts} ~~renewed its parts~~ once
 in 80, or 100 years, whereas trees renew
 their ^{decayed} ~~parts~~ buds and leaves every year. The
 Renovation of the teeth & the senses, and the
 return of the menses even to ^{feeble} efforts of
 the system to produce an antidiluvian
 age. - The menses cease sooner in women
 who labour in the open air, than in

✓ 5 The menses generally cease during pregnancy, and the giving of Lute. To the former state of the ~~system~~ ^{system} there are sometimes exceptions. There are women who menstruate regularly during pregnancy. The discharge in these cases comes from the Vagina, & not from the Uterus. There are exceptions likewise to the latter state of the system. There are women who menstruate during the whole time of their giving Lute. In the ordinary case the menses return about the 11th month in crasses - They are a signal that it is time to wean their children, and to remove the business of childbearing. ⑥

6 women are more irritable, & more susceptible of diseases at this time than at the intervals of menstruation. These diseases are moreover more violent at this time than at any other. ⑦

women who live easy and indolent lives.

4 The quantity of blood discharged ^{is} ~~very~~
from the ~~uterus~~ ^{in our climate.}
~~from the uterus~~ 34. The time of its ~~long~~
~~continuance~~ is from two to four days.

The times of its recurrence is once every
~~month~~ there is however without any inconvenience
lunar month. The blood which is discharged
at a latitude of 2 or 3 days in many women
has no peculiar smell, or morbid quality.
it was offensive from the influence of this climate. ~~not~~
Perhaps among the Jews ~~it was~~ ^{not}
~~it was offensive~~ ~~very~~ ~~very~~ ~~very~~ ~~very~~
and very remarkable for their cleanliness the

blood may have had some unwholesome quality
& odious in the old times

- hence unclean things are compared to a
"menstruous cloth" - and hence too the
strictness with which ~~it was~~ ^{a connection} was forbidden
with a menstruous woman. The Jews to
this day who live agreeably to the ceremonies
of the Levitical law - have no connection
with their wives - Untill two weeks after
they have ~~passed each term~~ ^{passed each term} of their menstruation.

① of ~~162~~ 185 women ^{p 728} taken into the lying in hospital at Gottingen Dr Siander says
162 did not menstruate after Conception.

8 menstruated once & profusely.

8 twice.

2 three times

1 five times

1 seven times

3 ~~even~~ oftener, from which it appears

that the Cases in which menstruation

takes place in pregnancy are in the
ratio of ^{but 23 to} 162, ~~that is about~~ ^{that is about} $\frac{1}{8}$ part.

in no one of the Cases in which
menstruation occurred, did ~~any~~ Abortion
or any bad consequences arise from
it. Take notice of this fact.



Some women

They are able to predict ^{approaching} ~~the~~ changes in the weather just before ~~the~~ each term of menstruation. ^{The} Pulse is ~~the~~ more active ^{at this time} than in ordinary health. From what has been said, you will not be surprised at my adding

That menstruation is a disease, ~~it~~ is so much so that women often call it this monthly-disease. The state of the Uterus, and of the whole system indicates this to be the case. morbid excrement take place in the Uterus during this period, and often to such a degree as to prevent the secretion of menstrual blood, ~~to prevent the secretion of menstrual blood~~ and in some instances ^{ch} to produce that kind of membrane w^h I said formerly was ~~secreted~~ ^{secreted} from the fibres of the blood. This membrane has ^{long been mistaken for an embryo & has} been discharged in menstruation. It is & the menses sometimes continue to flow

Having mentioned the principal facts upon this subject, - we proceed next to inquire into the cause of this peculiar phenomenon in the female constitution.

This inquiry divides itself into ^{three} ~~two~~ questions. 1st What purpose is it intended to serve in the system, & 2^d What are its original causes, 2 what are the causes of its ^{or monthly} periodical recurrence and

1 Dr Brown ascribes the original cause of the Catamenia to the ^{stimulus of} Venereal Appetite. But this is as foreign from truth, as it is from delicacy. ^{It is} ~~not~~

Observed in women of the most exemplary Chastity, and in some cases

10

ps: 729

You see here Gent. another
proof that we are kept alive
by disease. The absence of
the monthly or natural vital
disease ~~in women~~ ^{in women} as
it might be called is follow-
ed by the most venious conse-
quences in every part of
the system -

The ~~vital~~ natural or vital
diseases I have ment^d may
be compared to the daily
changes in the course of the
winds & temperature of the
air. They keep it ^{in a} ~~in a~~ ^{in a} ~~in a~~
healthy state - while ~~not~~

Porter's Diocese
acquired on ~~the same~~
useful hurricanes wth
do some good, but more frequent-
ly do great mischief upon
~~the same~~ upon Scotland.

in many ^{in mania} ~~disorders~~ ~~of the~~ ~~blood~~
particularly ⁱⁿ ~~in~~ consumption and
that too when the ~~patient~~ ^{patient} is confined. Ra:
-marini mentions an instance of a Nun
who was confined to her bed 10 years, &
who notwithstanding had her Catamenia
every month. he often met them in
fluxes of every grade. -

~~[The discharge of this blood becomes from
habit essential to good health - Hence when
it is obstructed in the Uterus, it passes off by the
lungs, stomach, Hemorrhoids, nose, ears, breasts,
& sores, & even the little fingers]~~

Again such is the effect of habit upon the
system, that ^{the menses} ~~after they~~ have been obstructed for
six or seven years, women sometimes enjoy
good health.

730
in Women ^{who are} ~~destitute~~ so far debilitated
by disease, as ^{to} be below the stimulus of
venereal desires. But it may be said
that ~~the~~ in these women it continues for
habit, after the extinction of the Venereal
Appetite, - But how shall we account for
this discharge appearing at regular
periods in women who are afflicted wth
Madness, and in whom the disease had
made its appearance before the usual time
of the breaking out of the menaces?

a 2nd opinion of the original cause of
this excretion is, that it arises from
a ferment in the Uterus. This opinion
is founded on a supposed morbid

- by the laxity of ^{the} Antonis
by their sedentary lives
✓ To this, ~~the~~ women are always disposed ^{to}
by their prospiring lips than men.

quality in the menstrual blood,
but we before proved that ~~so~~ ~~fast~~
change took place in the blood in healthy
and cleanly women.

3 Some have supposed that there was
a sinus in the uterus in w^h blood was
congested, ~~in~~ previous to its being dis-
charged. But anatomical injections
clearly prove that the supposed sinus in
the uterus is ~~no~~ nothing but a distention
of the veins from pregnancy.

A 4th original cause is plethora!

In this opinion all modern Physiologists
(De Brown excepted) unite, - the only
controversy between them on this

[Faint, illegible handwriting in a cursive script, likely from a 17th or 18th-century manuscript. The text is written in dark ink on aged, slightly discolored paper. There are several lines of text, with some words appearing to be underlined or written in a slightly larger hand. The overall quality is poor due to fading and the age of the document.]

is
 Subject is, this Plethora general, or
 confined to the Uterus alone? I am
 disposed to ascribe it to both. ~~It is~~ That
 it is general - I inferⁱⁿ from the peculiar
 Locality ~~of~~ of the Arteries in the female
 Constitution. ~~This Locality when it~~
~~occurs in~~ occurs in
 women never fails to produce Plethora.

2 From the menues being discharged
 in many cases from the Lungs, ~~from~~ ^{the fingers,}
 the hemorrhoidal vessels, the breasts, even
 the eyes, - from the legs & from the tips of
 the fingers - all of which are connected
 with the whole system. Here we see vigorous
 services by the members of the same system. ^{the blood vessels.}
 3 From certain diseases which debilitate
 the whole body, producing a sup-
 pression of the menues. To this I know

[Faint, illegible handwriting in cursive script, likely a letter or journal entry. The text is mostly obscured by fading and bleed-through from the reverse side.]

[Faint, illegible handwriting visible on the right edge of the page, possibly from the adjacent page.]

it may be objected - that in the pulmon.
 consumption the venous often continue
 till the last month of life, - But it should
 be remembered here that this disorder ^{case} is
 often attended with that degree of inflam-
 matory action which disposes to hæmorrhage
 even in its last stage. ~~The appetite however~~
^{The appetite however}
~~is frequently~~ ^{is frequently} ~~impaired~~ ^{impaired} in this
~~disorder~~ ^{case} - ~~of course~~ ^{of course} the ~~production~~ ^{production} of blood
 continues as in perfect health.

4. I infer it - from the female con-
 stitution being more predisposed to
 inflammable diseases than the male,
 - ~~more~~ ^{more} especially ~~to~~ ^{to} a few days
before & during the time of menstruation.
 5. I infer it from the symptoms which

✓ I have felt, and observed this in several
instances. -

precede ~~the~~ the first eruption, & which attend - every subsequent discharge of the menses. They are such as attend plethora, or Congestion of the whole System.

I grant that blood letting does not in many cases, prevent the monthly discharge of the menses — But this forms nothing, - for ~~the~~ the laxity lost by bleeding I believe on the Sanguiferous System, ~~it~~ ^{it} rather disposes ~~the system~~ to plethora than otherwise.

Previously to the discharge of the menses, the plethora appears to be transfused to the Uterus. no more happens here than what happens in the Hysteristaxis. The plethora which produces this dis^{case}order is first general, then partial. The ~~case~~

1
V distended with blood, and even thicker
at this time than any other. The discharge
is from the ^{arteries of the} uterus, & not from ^{its veins} ~~the veins~~
~~as has been supposed by~~
some writers. It is remarkable that the
veins of the uterus in five cases exa-
mined by Desmoures had no valves.
The blood discharged, ^{at its natural periods} does not coagulate,
from which ^{it has been} ~~is supposed~~ ~~supposed~~
to be a secretion, — but it is remarkable
that which is discharged by disease coagulates
soon after it comes in contact with
the air. This fact ~~he~~ was first taken notice
of by Mr John Hunter.

discharge of the menses therefore may be considered as a Hæmoptysis from the Uterus. — The Uterus is always found ^{more}

we come next to inquire into the cause of the periodical flux of the menses.

— It cannot be the Moon otherwise ^{all} men would have their menses at the same time. — A month seems to be

necessary to produce the usual quantity of superfluous blood. The recurrence of the discharge at an exact periodical day must be ascribed to the influence of associations of ideas and emotions to be considered hereafter.

^{3rd} The last question is — what purpose is this evacuation intended to serve ⁱⁿ the female system. The common



answer to this question is - that it is in-
 tended to ~~provide~~ ^{furnish} the first nourishment
 for the fetus in utero. To this there are
~~three~~ ^{three} objections. 1 We see nothing analogous
 to it in the females of brute animals,
 the female monkey ~~to~~ ^{only} ~~the~~ ~~other~~ ^{retained}
 excepted. 2 The quantity of blood ~~is~~
 (if we may judge by what is discharged) is
 too inconsiderable for that purpose - being
 seldom more than $\frac{1}{36}$ in the whole period
 of pregnancy. - 3 many women
 bear children - before & after menstrua-
 -tion. Of this Dr Hunter used to assure
 his pupils that he had known ~~several~~ ^{several}
 instances in his extensive Obstetrical
 Practice. Dr Haller ^{& Dr Mosely} mention ~~the~~ ^{several}
~~is~~ confirmations of the same fact.

Dr McHarden says he has known
a Conception to take place, where men-
-struation had ~~taken place~~ ^{occurred} but twice in
the course of a year & Lawsoni mentions
many cases of Conception in which it had never taken place.

I acknowledge that I place life dependance
upon this last argument - than upon the
two former ones - as all the cases that
have been referred to of Conception during
the absence of menstruation appear to be
deviations from a law of Nature - nor
are we certain that the absence is real.
~~By pulsing of the Uterine~~ ^{By pulsing of the Uterine} vessels may take place,
& blood be discharged, but in such small
quantities as to be taken up by the absorbents
before it can pass thro' the Vagina. What
makes this probable - is - that women who
conceive ~~and~~ under the above circumstances
generally enjoy good health.

Not is this all. Pregnancy takes place under the circumstances of an habitual Obstruction of the menses. Of this I have ~~let~~ known an instance in a ~~young~~ ^{woman} ~~case~~ in this ~~city~~ ^{state} - who has borne a child after an unfruitful marriage of 15 years, and after ~~an~~ ^{an} Obstruction of the menses of three months duration.

Upon all controverted Subjects - I feel as if Science or indelision would be construed into ^{adquiries of philosophical} ~~conscience~~ - or a preference of a safe reputation to the ~~true~~ ^{true} love of Science. Upon this Subject therefore I will venture an opinion. -

Breasts ~~are~~ feel the venereal appe-
tite at certain seasons only - most of ^m y:
but it in the Spring. - At this time there
is ^{a swelling of the Uterus &} a discharge from this Vagina's of a

is imparted to the Uterus in an equal
degree by ~~the~~ ^{it undergoes} distension, in parturition -
hence many female bitches receive the
embraces of the male the next day,
& some the next hour After they are
delivered of their young. -

Again. The Uterus of a Bitch, Sheep and
many other Animals discovers marks of
inflammⁿ ~~and~~ about the time they feel
the Venereal Appetite. Haller Vol 8. 15. 13 &
Cruvier says many of them drop blood from the Uterus at
this ~~entering~~ ^{entering} time.
+ a humor distills from the Uterus
in Hysteromania, and women become
highly libidinous in the beginning of
a gonorrhoea. To ps. 74.

numerous matters - & in some instances
 of blood. - The design of this ^{afflux of humors} ~~to the womb,~~
 seems to be to impart a sensibility to
 the vessels ^{uterine} ~~which~~ disposes them to
~~venery~~, and probably increases
 the pleasure of coition. This sensibility is
 now women who feel the venereal
 appetite alive at all seasons of the year.
 are provided with a monthly discharge
 which serves the same purpose of
 disposing them to venery, and probably
 increases the chance of conception
 from coition. +

There are ~~two~~ ^{two} facts taken notice
 by Dr. ^{Harvey} ~~which~~ which favour this con-
 -jecture - and that is that women

+ out of 100 births Dr Boerhaave says 99 hap-
-pen in the 9th month from the end of men-
-struation reckoning from thence forward
9 months of gestation. — The Uterus is then
said to be less closed than usual, ~~and~~ ~~admits~~ the
~~blood~~ who give birth ~~and~~ seldom become
pregnant until after they have had
one or two monthly evacuations.

But further - Dr Harey takes notice that
the ^{female} organs of generation in mice moles
or some other animals - disappear in such
a manner, ^{during the intervals of their pregnancy,} that it is difficult to distin-
-guish the male from the female, ^{even} by dissection
of their ^{respective organs of} generation, — now no such thing ob-
-tains in the female of the human
Species. The Uterus is uniformly about
the size of a pear ^{the long period of} during menstruation.
— But it is remarkable that before
menstruation ^{in Virgins} it is no larger than a
bean, and after it - in old women it

are more apt to become pregnant
from a venereal connection immediately
^{before or} after menstruation than ^{at} any other
time. — To this we may add that women

I should have no hesitation in in-
dicating this opinion, did not one fact
militate a little against it — and that
is, that women ~~become~~ ^{become} pregnant before
~~the menses~~ ^{the menses} appear, & after they cease, — also
during their Obstruction. — Cases of this
kind are however rare — and when they
occur, ^(supposing no internal discharge to take place) are not greater departures from
the order & laws of nature, than occur
in other parts of the animal ^{no} economy
both in health & in disease. — It is an
equal departure from a law of nature

Shrinks ~~so~~ ^{considerably} and appears to be
destitute of arteries & veins.

There is one more fact which I
mentioned formerly that will add some
weight to our argument, & this is that
the venereal appetite is first felt about
the time of the eruption of the venereal.

certain 740.

happens when female brutes conceive
at any other season of the year than ⁱⁿ the
Spring, - and yet this ~~is~~ ^{all farmers} know happens
occasionally among several domestic
animals. - ~~But~~ ^{But} a greater departure
from a law of nature happens in those
cases where women menstruate during
the time of their pregnancy, & this is not
~~is~~ supposed to be the least objection to
the ~~is~~ opinion of the menstrual blood
being intended to nourish the fetus
by those who maintain that doctrine.

I have not been able to discover whether
the female monkey ~~admits~~ ^{admits} the embraces
of the male ^{alike} at all seasons of the year. But
all ~~very~~ naturalists describe the male
as being under a constant impulse



of venereal appetite - from which it is most probable the female feels her portion of it alike at all seasons of the year. If this should be true - I shall have no ~~difficulty~~ ^{difficulty} in ~~believing that~~ ^{believing that} the ~~only~~ ^{only} ~~type~~ ^{type} of the men - a sexual flux ~~is~~ ^{is} to excite occasionally that fulness - tension - ~~and~~ ^{and} sensibility and ~~paternity~~ ^{paternity} in the ~~female~~ ^{female} organs of generation which are essential to conception.

much has been said of Hermaphrodites - that is of the male & female organs existing in the same person - But there is no foundation for this opinion. - Such ~~creatures~~ ^{creatures} do not exist among cold blood animals. They are met with only among the lowest class of animals. particularly Snails. Each has γ organs of generation of both sexes - but they are excited to every, by frictions against each other.



742
of the peculiarities of the male
constitution. —

Upon this subject little remains to
be said - — for all the general observations ^{which I have delivered}
upon the Animal Economy, apply to
the male constitution - and such as
did not, were mentioned in the
last lecture. The only peculiarities
to be taken notice of are the organs of
generation, and the changes which take
place in puberty in the system in con-
sequence of the secretion of the semen
~~is~~ ⁱⁿ the masculinum. —

I refer you to Anatomy for a description of the male organs of generation.

V This change in the male Constitution
occurs usually about 14th year - But there ^{are}
many instances on record of its occurring
at a much earlier period. Dr Haller relates
one of a Boy who had a beard (one
of the signs of puberty) at 3, and another
who at 4 ^{years of age} ~~years of age~~ had a coarse voice,
great strength ⁵⁰ [20 or 30] pounds, and that he ~~had~~ ^{had} and
venereal desires,
and appeared in every respect to be
marriageable. —

The changes which occur at the age of puberty are - an ~~enlargement~~ ^{enlargement} of the bones of the nose - & forehead - a spreading of the breast - a hoarse voice (called the 14 year old cold) - a beard - eruptions on the skin & such - and ~~sexual~~ ^{sexual} desires.

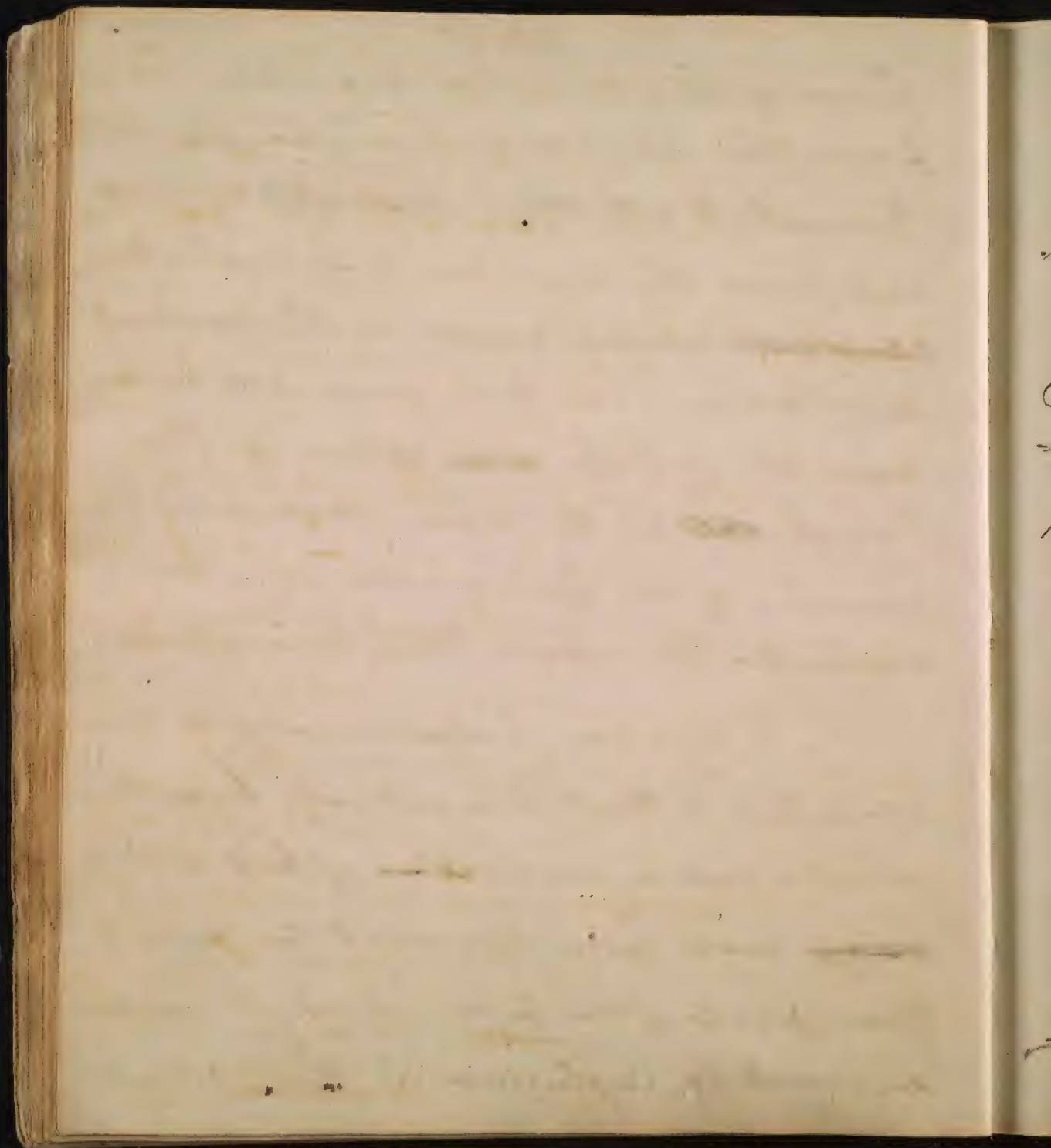
- After the weakness which these sudden changes induce wears away, the system becomes more robust, and the mind acquires with the body, a vigor, - and firmness, it never ~~before~~ ^{before} before. ✓

This revolution in the body and mind of the male, has been uniformly ascribed to the Absorption of the semen, and ^{to its} stimulus upon every part of the body. - The arguments in



favor of this opinion are derived
 from the Absence of these changes in
 Eunuchs & all other castrated animals,
 and from the number of Lymphatics
~~absent~~ which open in the Liminal
 Vesicles. — These facts cannot be con-
 tradicted, but the ~~the~~ absence of the
 change ~~and~~ in the former case, and the
 number of the lymphatics can be
 accounted for upon other principles.

The 1st Objection I shall make to this
 opinion is, that it is entirely hypothet-
 ical - not a particle of seed having
~~been~~ ever been discovered in any of
 those parts of the body which it has been
 supposed to influence in this growth



or newly acquired properties.

2. I conceive all the changes in the System may be accounted for, from the Stimulus of the seed in the seminal ^{vesicle} ~~vesicles~~, and from the intimate communication of those vesicles with every part of the system. The activity of the seed as a stimulus may be easily be conceived from its having produced in some instances not only madness, but death from its ^{retention and} irritation upon the seminal vesicles. The connection of these vesicles ~~with~~ with the whole system is abundantly evident from the eyes - the ears - and ~~and~~ the sense of touch being all avenues to ^{unusual impressions} ~~unusual impressions~~ upon



them. Even the nose conveys a stimulus to the seminal vesicles in some animals. This has been observed often in the bull and the goat - & several other domestic animals.

3 We observe changes of a more important & extensive nature brought on by the system by ~~the system~~ a certain state of tension in two viscera ^{from} which we are sure there is no absorption of any stimulating matter. These viscera are, the stomach & the womb. ~~Admitted~~ a moderate portion of Aliment - a few glases of wine - or - a few drops of Laudanum received in the stomach, at once impart vigor - Activity - and even strength to every part of the



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body, ~~before~~ long before they can be
supposed to mix with the circulation
either by digestion - or by being absorbed
by the lymphatic vessels. - The state of
tension in the Uterus likewise greatly
influences the vigor ~~and~~ of the whole
system. No one has supposed the men-
strual blood to be absorbed, & yet no
sooner is the Uterus distended with it,
than all those changes are produced in
the system which were taken notice
off at our last lecture. - But the
^{alteration in the state of}
~~distention of~~ the Uterus in pregnancy
produces still greater changes in the
system. The Stomach is affected with
nausea - the head is giddy - Syncope is

✓ But further - we observe a certain state
of tension in the female system to be connected
with the presence of the Ovaria. By estrac-
ting them, female animals become fat,
& lose several of their female qualities.
now no one can suppose ~~that~~ ^{the} ~~their~~
tension & vigor of the female ^{body} ~~system~~ to
depend upon the Absorption or diffusion
of the contents of the Ovaria thro' the
System.

induced in same cases - & above all the
 mouth is enlarged - and a color is often
 induced in the skin of the face [known
 by the good women by the name of
 morphea.] To account for these changes
~~I suppose~~ I presume
 apart that it is the effect of ~~the~~
 no one will ~~be able to explain~~
~~the fact that the effect is~~ ^{attributed to}
~~that the male semen~~ ^{being} diffused thro
 the body, & this solution of these pheno-
 -mena would prove too much, for it
~~would~~ ^{would} make it necessary for the same changes
 to occur in every case where semen
 is lodged in the vagina - whereas it
 occurs in the only case in which
 it should not occur
~~the semen~~, that is when the semen
 is ^{attracted to} retained ^{in the ovum} for the
 purposes of ~~procreation~~ ^{conception}. - V



The Absence of the Changes in Eunuchs
 & ^{other} castrated Animals may be accounted
 for from the Absence of stimulus. The
 shrill voice - timidity - & loss of beard in
 Eunuchs are the effects of debility, and
 are often brought on by the debility
 which follows the Abstraction of many
 other stimuli. The loss of ~~impressions~~ ^{impressions} on
 the ear by deafness produces languor
 in every part of the body - The ~~debility~~
 debility of joy produces ^a the shrill and
 weak ~~voice~~ ^{voice} in men of the most
 robust habits - but what is still more
 to our purpose - the hidden relaxation
 & emptiness of the seminal vessels,
 for a while nearly
 produces all the effects of castration.



- hence the saying of "Omne animal
 prope coitum trisat!" - ~~no one usually~~ ~~the saying~~

~~will~~ will ascribe the languor in this
 case to the Abstraction of the power
 from the ^{glottis} ~~throat~~ - the brain - ^{the Chin -} and the
 limbs - and yet this ought to be the
 case, if the vigor in those parts ~~was~~
 the effect of the Absorption & local
 stimulus of the Semen.

Nothing can be inferred from the
 number of the lymphatics which open
 in the Seminal Vesicles, but that great
 pains have been taken to render that
 liquor as free as possible from Water,
 or the Lymph of the blood.

The fat, and even increase of

✓ The same thing happens after the
debility induced by slow nervousness.

Size in certain animals After castration ~~is~~ are the effects of debility ^{etc.} which produces relaxation - hence the Vessels yield more readily to the impulse of other stimuli. After a while this debility is removed by exercise, & the animal becomes as strong, ^{as before} ~~as before~~ castration. This we see every day in the Ox and the horse. -

The peculiar smell of ^{certain} animals at the age of puberty may be accounted for, from the ~~too~~ ^{vitrated} ~~state~~ ^{state} of the perspirable matter imparted to it by a vigorous circulation - hence we find this smell most observable in hard working people. -

Notwithstanding these Observations, ~~of the~~ there is One case in w^{ch}.
I believe the Absorption of the small ped
takes place - but for very different
purposes that those which have been
mentioned, as I shall say hereafter.

I have constantly spoken of the ~~absorption~~ ^{matter found}
in the seminal vesicles being the ^{or the fecundating}
~~the semen or as it were, the~~ ~~essence~~
~~themselves~~ in generation. ^{This opinion}
~~is~~. I am aware that ~~Dr. Hunter~~

is denied by Mr Hunter & that some
pains have been taken to refute it by Dr Ogley
in his Inaugural Dissertation published in
1806. The Dr examined the organs of generation
in a Boar & was unable to find any
connection ~~between~~ between the Vasa deferentia,

I conclude therefore that it is most agreeable to the principles of animal ^{to} life - to analogy - and to facts - ~~that~~ suppose that ~~there~~ no changes are induced upon the system by the Absorption of the Seed, and that, on the contrary, ~~that~~ after the Suction begins, it is kept up by the vigor returned to the seminal Vessels by the increased tone of the whole System. V

We have now brought the two sexes to that period of life in which they are both fitted to propagate their Species. - In the brute Creation, the birth of the venereal appetite, & the commence of the male & female,

& the vesicular fluid also. He likewise found
the liquor in the vesicles totally different ~~from~~ⁱⁿ
~~color & consistency~~ from that which is discharged
in a Venereal Connection, & lastly, he found
the same liquor in the vesicles of a castrated
as of an uncastrated dog, from which he
infers that the liquor exists there for other
uses than ⁺ has been ascribed to it. Mr Hunter's
facts are still more ^{unfavourable} ~~unfavourable~~ to the old opinion.

I shall read them. 1- & 2. ^{p 20. and 22.} For more informⁿ.
upon this subject see his Animal Economy. Now
= even the controversy may be settled, ~~it will~~
~~be settled by the facts of the case.~~
~~It is the duty of the Doctor to state the facts.~~
~~neither truth, nor error~~
it will have ^{the} ~~any~~ influence upon ^{the} practical
doctrines of medicine.

are coeval with each other. But the
 situation of man will not admit of this
 being the case. The offspring of most of
 the brutes ~~find~~ ^{find} subsistence already pre-
 -pared for them in the air - on the land
 or in the water, by the ~~hand~~ ^{bountiful Author} of Nature,
 but ~~the~~ very different is the condition
 of the offspring of man - hence it is
 necessary for him to acquire a knowledge
 of the means of supporting a family
 of children before he forms that com-
 -munion which is intended to produce
 them.

At ^{16 or} 17 in the female, & ^{at} 21 in the
 male - ~~the~~ is the earliest period in
 which marriage should take place. The
 longer the period is delayed beyond ~~that~~



those years - the less the System will
be injured by Warming in the one, &
Childbearing in the other case - provided
it does not exceed 24 in women and
30 in men. -

However much the venereal Symp-
-tom has been abused for immoral purposes,
yet we cannot help admiring the
~~peculiar~~ peculiar nature of it in the human
Species. - It is so deep seated in our
natures - that no force of reason - or
of ~~any~~ religion has ever been able to
eradicate it. Our Saviour seems to have
appealed to the ^{Depth & necessary Opera-} ~~depth & necessary Opera-~~
-tion of this principle in our natures,
when he replied to that Question of



the Pharisees - "It is not good to marry."

"There are Eunuchs (said he ^{in his answer}) which were
so from y^r mothers womb, - and there are ^{by}
~~some~~ Eunuchs which were made so ^{men}
& there be Eunuchs which have made y^r
selves such for the kingdom of heaven."

- He that is able to receive this saying, let
him receive it; - The obvious meaning
of which ^{is} that no man can ~~be~~ exist
as a man without feeling the Venereal
Appetite, and that he cannot indulge
it without sin - unless ~~he~~ in a lawful

connection with a woman. The com-
mon ~~mode of interpreting~~ ^{perverting} this masterly and
delicate ^{rationary} argument in favor of ~~marriage~~
~~for the opposite purpose of supporting Celibacy~~
by Catholic & ~~some~~ some

✓ The fact therefore with this interpretation
is one of the strongest arguments in favor
of ~~united~~ matrimony being as universal
as venereal diseases and an unmaritaled
state of the body, and accords perfectly with
the countenance our Saviour gave to it by
working his first miracle at a wedding. ~~But~~
~~by calling the sons of his mother by his~~
~~reputed father Joseph, his brothers.~~ Had
matrimony ~~been~~ been in the least degree incom-
patible with the purity required by the gospel, the
worst person in the world that ought to
have lived in that state was the mother of our
Saviour, and yet we find she lived with Joseph
^{her husband} and yet we find she lived with Joseph
of those children by him after her womb
had been consecrated by having given birth
to the Son of God. ~~The~~ ~~children~~ ^{the} children
by ~~her husband~~ ^{her husband} are called by our Saviour
'his Brethren'.

756 is ~~weak~~ both weak
protestant divines ~~in their~~
~~and~~ impious, - for it makes the
saviour of the world, to recommend a
practice which is not only cruel, but
which, - if ^{it were} of universal obligation (as
it must ^{be} if ^{it were} just) would tend to exter-
minate the human race. V -

In every class of life the mineral
appetite ~~exists~~ ^{exists with more or less force}. ~~There~~ There is no condition
so ~~low~~ depressed by poverty, or slavery
in which the sexes are not attracted to
each other by ~~sexual~~ ^{sexual} desires.

There are ^{no} ~~but~~ conditions of the
system in which it is not felt. In
Melancholly - in Hysteria - in Epilepsy,

+ even the ~~most~~ neighbourhood, and
near approach of death do not ex-
tinguish the ven^e appetite. ~~Placard~~
the tents ~~set up to for the convalescents~~
~~from the yellow fever~~, ~~and~~ Within a
few yards of Bersh hill ^{in 1793} from wh^{ch}
the groans of the dying, ^{were heard} & the bodies of
the dead ~~were~~ seen every hour of the
day, the convalescents from the yellow fever
indulged themselves in the gratification of
this appetite in the most criminal
manner, & Gibbon^s says that in
~~an~~ an Earthquake which destroyed a
city in the reign of Justinian

^{palsy}
in the convalescent state of fever, - in
of such as are called malignant,
idiotism - and under every species of
Deformity - man inclines to propagate

his species. The monstrous Child of 26
near the Piscataway falls in New Jersey
years of age whose history Dr. Michaelis
has ~~given his~~ expressed a strong desire
for a wife, - and Montaigne mentions
a case of a man in whom the parts
of generation were ~~so~~ scarcely visible,
who had venereal desires. +

Even old age ~~does not~~ ^{always} chill
this appetite. The famous Parr was
convicted of adultery ~~at 120 years of age~~ ^{at}
120 years of age - and in our daily news
papers tell us that ~~men & women~~

many ~~men~~ ^{men} were seen committing
rapes upon ~~the~~ ~~distressed~~ women.
Distracted with fear & terror. In both
~~these~~ cases, the venereal ~~appetite~~ must
have been the effect of disease, and

✓ a famous Quaker preacher in his
~~in his~~ travels thro' Virginia relates that he was
kindly entertained at the house of a
man of the name of Wm Potter who was
92 years of age, who had a child of two
years old by a young wife playing about
his knees. This man ~~was~~ died at 107,
and in such good health as to work in his
field till a few weeks before his death.

14 The human species would soon be
extinct, ~~for~~ for Reason, without the
aid of passion, & appetite, would universally

by matrimony
 about 70, frequently do homage to this
 universal ^{stimulus} ~~principle~~, ^{in the} ~~of~~ human
 species. — It is happy

~~that this~~ for the purposes
 of heaven, with respect to the destiny of
 the human race; — is this appetite ^{that} ~~is~~
 so deeply planted in our natures, as to be
 removed beyond the influence of reason —
~~the~~ religious disease — deformity — or
 even ^{old age} ~~itself~~ itself —. Unless this were the
 case, ~~that would be the happiness~~
 by placing it in the power of a female
 companion for life — ? Or who would
 deliberately ~~so~~ submit to all the certain
 trials and contingent ^{educating} distempers of ~~such~~ a

Solicitude -
swelt at ~~the prospect of~~ ^{And}
~~possible~~ ^{having a} misery of a family of Children.
~~But~~ Happily in this instance, the wisdom
and goodness of the Deity has placed his dews
of benevolence, ~~and multiplied our~~ ^{and multiplied our} happiness,
beyond the influence and power of man.

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